BLACK BOX NETWORK SERVICES

APRIL 2005

LNA1000A
LNA1000A-USR
LNA1000A-HW1
LNA1000A-HW2
LNA1000A-SW1
LNA1000A-SW2
LNA1000A-VP1
LNA1000A-VP2
LNA1000A-VP3

IT Pro™ Quick Start Guide

Step 1 - CHECKING YOUR IT PRO COMPONENTS

Your IP Pro package should contain the following items. If anything is missing or damaged, please contact Black Box Tech Support at 724-746-5500.

1. (1) IT Pro
2. (1) IEC-320 power cord and external power supply
3. (3) 6-ft. (1.8-m) Category 5 Ethernet cables
4. (1) CD-ROM containing a user's manual in PDF format
5. This Quick Start Guide in PDF format on another CD-ROM

Step 2 - CONNECTING YOUR IT PRO

A **Make sure that the IT Pro has adequate ventilation.**

Place the back of the unit at least 1 to 2 feet (12 to 24") from the wall.

B **Connect the IT Pro's power supply.**

1. Connect the power cord's barrel connector end to the DC 12V input connector on the back of the IT Pro. (See Figure 1 for the connector's location.)
2. Plug the power cord's other end into a standard 115-VAC North American or 220-/240-VAC European power outlet.

C **Connect your internal LAN to the LAN1 (Eth0) port via a straight-pinned Ethernet cable attached to a hub or switch.**

NOTE: The LAN1 port is referred to in the software (see Figure 2) as Eth0. Likewise, LAN2 port is called Eth1, and LAN3 port is referred to as Eth2.

1. If you're using the IT Pro as an Internet gateway, plug the LAN2 (Eth1) port and LAN3 (Eth2) port into the DSL or cable modem via a straight-pinned Ethernet cable. (For connector locations, see Figure 1.)
2. Connect a VGA monitor to the HD15 connector on the IT Pro's back panel. Attach the PS/2® style keyboard connector to the 6-pin mini-DIN connector on the IT Pro's back panel.

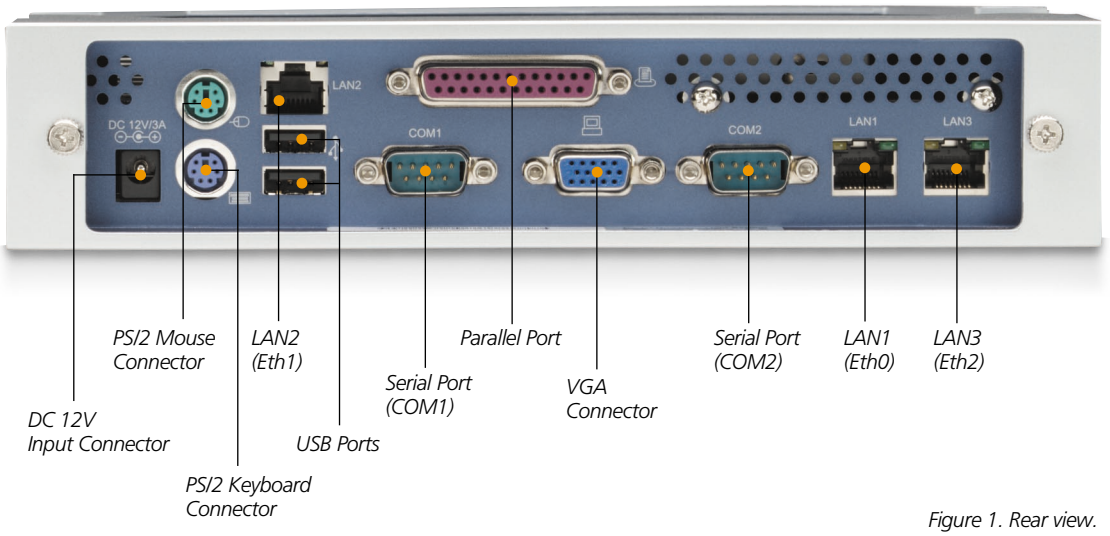

Figure 1. Rear view.

Step 3 - CONFIGURING YOUR IT PRO

A Power on the IT Pro.

1. Press the round power button on the IT Pro's front panel.
2. When the system boots, the following prompt appears on your PC.

```
Press Enter to begin.
```

B Automatically select the IP address.

1. Press the **Enter** key. The configuration screen shown in Figure 2 appears.
2. Refer to the Status window in the upper-right-hand corner of the configuration screen (Figure 2). The display will cycle through the IT Pro's IP address (if it's detected), the status of the Eth0 (LAN1) and Eth1 (LAN2) ports, and the version of the IT Pro's operating code. The IT Pro will display a **Choosing Address** message in the Status window as it tries to autodetect the IP address.

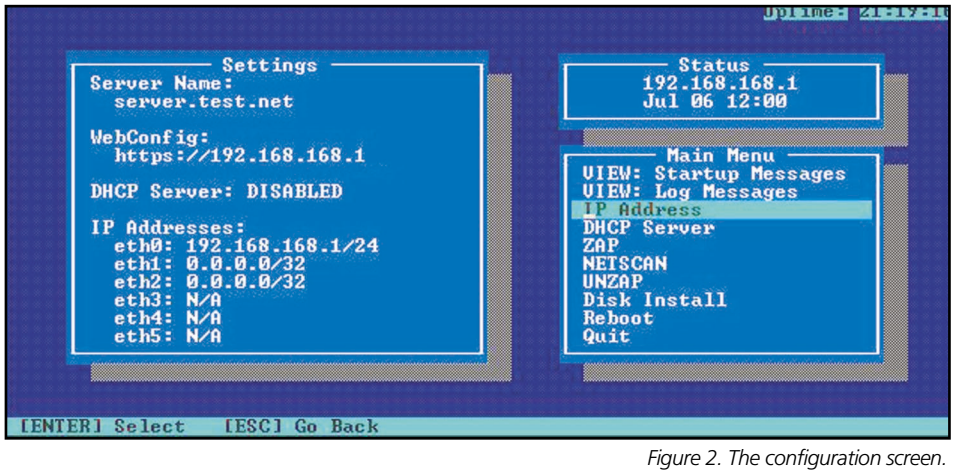

Figure 2. The configuration screen.

C Manually setting the IP address.

1. To manually change the IT Pro's internal IP address, select **IP Address** from the Main Menu window on the configuration screen (shown in Figure 2).
2. The system prompts you to enter a new IP address.
3. Type in the IP address and press the **Enter** key.
4. Press the **Y** key (for "Yes") to confirm the address.
5. No further configuration via the attached monitor/keyboard is required. However, you should make sure that the workstations on the internal LAN are set to obtain their IP addresses automatically. The IT Pro will act as a DHCP server and configure the workstations with the proper IP address, gateway, and DNS server parameters.

NOTE: You must reboot the workstations for these settings to take effect.

Step 4 - CONFIGURING YOUR DESKTOP

A Access the Network screen via Windows.

In Windows® (on your workstation), click on **Start**, then **Settings**, then **Control Panel**, then **Network**. A Network Configuration/Identification screen appears.

B Choose your network.

1. Click on the **Configuration** tab. A drop-down menu of installed network components appears.
2. Select **TCP/IP** from the menu, then click on the **OK** button.
3. If TCP/IP does not display in the installed network components list, click on the **Add** button. The Select Network Component Type screen appears.
4. Select **Protocol** from the list, then click on the **Add** button. The Select Network Protocol screen appears.
5. Select **Microsoft®** in the Select Network Protocol screen's Manufacturers section.
6. Select **TCP/IP** in the screen's Protocols section, then click on the **OK** button. TCP/IP now appears in the drop-down menu of installed network components. Highlight **TCP/IP**, then click on the **OK** button.

C Automatically obtain the IP address.

1. Click on the **IP Address** tab.
2. Select **Obtain an IP address automatically**.

D Configure the DNS settings.

1. Click on the **Gateway** tab. Select any entries in the screen's Installed Gateways section, then click on the **Remove** button.
2. Click on the **WINS Configuration** tab. Select all entries in the screen's WINS Server Search Order section, then click on the **Remove** button. Select **Use DHCP for WINS Resolution**.
3. Click on the **OK** button. Finally, reboot your computer.

Step 5 - CONNECTING TO WEBCONFIG

A **Open a Web browser on a workstation attached to the internal network that the IT Pro is also connected to.**

NOTE: The Web browser must be capable of supporting 128-bit encryption. Examples of comparable Web browsers include Netscape® version 7, Microsoft® Internet Explorer version 6, Mozilla version 1.0.1, and Opera version 6.05.

B **Type in the IP address, user ID, and software activation key.**

NOTE: You will automatically receive the software activation key via email from Black Box once you purchase your IT Pro.

1. Type the IT Pro's IP address into the browser's address bar. For example, we'll use 192.168.2.1 as the IP address.
2. Type ***https://192.168.2.1:8043*** into the address bar and press the **Enter** key.

NOTE: The last set of four numbers that you enter in Step 2 (8043) is the IT Pro's port number. This number is an industry standard and will never change; it should always be entered as 8043.

3. The Create Administrator Account page appears.
4. Type in the user ID. The default is **root**; you can use this name or create a new user ID by typing over the existing ID. The user ID must be a maximum of 16 characters.
5. Next, type in the full name of this account (for example, **System Administrator**).
6. Create a password for this account. Type it in a second time to verify it.
7. Type in your registered Internet domain name. If you do not have a registered domain name, use the default domain name that automatically appears in the appropriate location on the screen.
8. Finally, type in the software activation key that you obtained via email from Black Box.

NOTE: If you don't type in the software activation key, the IT Pro will enter a 30-day trial mode. To exit trial mode, you must enter the key. To validate this key, you must have access to the Internet.

Step 6 - CONFIGURING YOUR INTERNET CONNECTION

Configuring the Internet connection is a user-specific function. It may differ greatly from system to system, so we do not provide system-specific information here. For more information, follow the instructions in the IT Pro's user's manual (included on the other IT Pro CD-ROM), or refer to your network or computer's documentation.